

Amendments to the Claims

This listing of the claims will replace all prior versions, and listings, of the claims in this application.

1-21. (Canceled)

22. (Currently amended) A medical device for the use in diagnosis and/or treatment of cardiovascular disease in the human body comprising:

a catheter having a proximal catheter end and a distal catheter end and defining a lumen extending from the distal catheter end towards the proximal catheter end, the catheter adapted for use in diagnosis and/or treatment of cardiovascular disease in the human body;

an expandable and contractible, vessel-occluding element positionable near the distal catheter end and placeable in radially expanded and contracted states;

the expandable and contractible, vessel-occluding element comprising a braided element and a membrane contacting the braided element so that the braided element is substantially impermeable when in the radially expanded state; ~~and~~

the expandable and contractible element having a funnel-shaped surface, when in the radially expanded state, and having a longitudinally-extending opening to permit material to pass therethrough for receipt of material; and

a vessel-occluding assembly housed at least partially within and axially slidable through the lumen, the vessel-occluding assembly comprising an elongate support element, having a distal end portion, and a second expandable and contractible, fully-vessel-occluding element at the distal end portion, the second expandable and contractible, fully-vessel-occluding element positionable at and extendable from the catheter distal end and placeable in a collapsed state and in an expanded, fully-vessel-occluding state.

23. (Canceled)

24. (Currently amended) The medical device according to claim ~~23~~ 22 wherein the second expandable and contractible element comprises a balloon.

25-74. (Canceled)

75. (Currently amended) A medical device for the use in diagnosis and/or treatment of cardiovascular disease in the human body comprising:

a catheter having a proximal catheter end and a distal catheter end and defining a lumen extending from the distal catheter end towards the proximal catheter end, the catheter adapted for use in diagnosis and/or treatment of cardiovascular disease in the human body;

an expandable and contractible, vessel-occluding element positionable near the distal catheter end and placeable in radially expanded and contracted states;

the expandable and contractible, vessel-occluding element comprising a braided element and a membrane contacting the braided element so that the braided element is substantially impermeable when in the radially expanded state; ~~and~~

the expandable and contractible element having a longitudinally-extending opening, when in the radially expanded state, to permit material to pass therethrough for receipt of material; and

a vessel-occluding assembly housed at least partially within and axially slidable through the lumen, the vessel-occluding assembly comprising an elongate support element, having a distal end portion, and a second expandable and contractible, fully-vessel-occluding element at the distal end portion, the second expandable and contractible, fully-vessel-occluding element positionable at and extendable from the catheter distal end and placeable in a collapsed state and in an expanded, fully-vessel-occluding state.

76. (Canceled)

77. (Currently amended) The medical device according to ~~claim 76~~ claim 75 wherein the second expandable and contractible element comprises a balloon.

78.-81. (Canceled)

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